**Call for case studies: Approaches for scaling up InfraTech financing and development**

The GI Hub is seeking evidence of successful approaches for financing and developing InfraTech that can be scaled and replicated across sectors and jurisdictions. These approaches include policy, commercial, financing, and technological interventions, as detailed further below. The results from this call for case studies will be provided to the [G20](https://g20.org/) Infrastructure Working Group (IWG) in September 2022.

### ****What is InfraTech?****

InfraTech is defined by the [*G20 InfraTech Agenda*](https://cdn.gihub.org/umbraco/media/3008/g20-riyadh-infratech-agenda.pdf) as 'the integration of material, machine, and digital technologies across the infrastructure lifecycle.' In essence, this involves the integration of digital and non-digital technologies with physical infrastructure to deliver one or more of the following outcomes:

* climate mitigation
* climate adaptation
* enhanced social inclusion
* enhanced pandemic preparedness and response
* improved infrastructure delivery and/or performance.

### ****What kinds of approaches are we looking for?****

We are looking for case studies that demonstrate effective approaches / interventions for de-risking and attracting investment to InfraTech projects at scale. Approaches could fall under one or more of the following categories:

* Policy (e.g. Procurement, regulations, strategies)
* Commercial (e.g. Delivery models, partnership models)
* Technological (e.g. Digital platforms, data/ai, cybersecurity)
* Financial instruments (e.g. Specialised funds, grants, equity, retained earnings)
* Other broader incentive schemes.

For similar examples of scaling up InfraTech investment – see our [Financing InfraTech webinar](https://www.gihub.org/events/financing-infratech-for-the-climate-transition/).

### How will these case studies be used?

This year, the G20 IWG, with support from the GI Hub and the Asian Infrastructure Investment Bank, will continue the work started in 2020 by the [G20 InfraTech Agenda](https://cdn.gihub.org/umbraco/media/3008/g20-riyadh-infratech-agenda.pdf) through the development of a *G20 Blueprint for scaling up InfraTech financing and development*(‘Blueprint’).

The Blueprint will be a prioritised and actionable list of opportunities for the G20 in scaling up the development and financing of InfraTech, and will be supported by a compendium of case studies. The Blueprint will identify the gaps in knowledge and capacity for investing in InfraTech and highlight the focus areas that require the G20’s attention in the future.

The GI Hub is running this global call for case studies to gather the evidence needed to inform this Blueprint and ensure that it is practical and relevant across a range of national and regional circumstances.

For further information about this initiative can be found on the GI Hub website, or by contacting Amelia Burnett at infratech@gihub.org.

# Case study template

**Please submit this completed form to Amelia Burnett at** [**infratech@gihub.org**](mailto:infratech@gihub.org) **before 11:59PM CET (UTC/GMT+1) on Friday 29 July 2022.**

*By submitting your case study, you are giving the GI Hub permission to use the content and images you provide for publication and promotion across a variety of print and online channels in relation to this InfraTech initiative. Please note that the GI Hub does not have any control of unauthorised use of content or images once it has been published.*

**1. Contact details:**

*(Not for publication, for GI Hub reference only so that we can contact you if we require further details or clarification)*

|  |  |
| --- | --- |
| **Name:** |  |
| **Job title:** |  |
| **Organisation:** |  |
| **Email address:** |  |
| **Location (City/Country):** |  |

**2. Project summary**

|  |  |
| --- | --- |
| **Why did you embark on this InfraTech project?** | *Points to cover (max 250 words)*   * *What is the project’s overall objective?* * *What outcomes does it seek, and challenges does it address?* * *What is new or innovative about the project?* |
| **Project name and location(s):** |  |
| **Infrastructure sector and sub-sector** | *(e.g. Transport > Rail)* |
| **Organisation’s role on project:** | *(e.g. technology company, investor, construction, etc.)* |
| **How was the InfraTech project funded/ financed?** |  |
| **Scale of deployment:** | *(e.g. volumes, population served, kilometres, etc.)* |
| **Project cost:** | *(e.g., the cost of the development and/or deployment of InfraTech in USD or local currency, total cost of infrastructure project, or funding/financing attracted)* |
| **Project start / end dates:** |  |
| **Current status of project:** | *Select those that are applicable, delete the others:*   * *Research and development* * *Pre-commercial / demonstration* * *Planning stage* * *In construction* * *Operational* * *Other (please specify)* |
| **At what stage of the infrastructure lifecycle is the technology used in this case study applicable?** | *Select those that are applicable, delete the others:*   * *Enabling environment* * *Planning and strategy* * *Project preparation (incl. concept, feasibility, appraisal)* * *Financing* * *Procurement* * *Design* * *Construction* * *Operation and maintenance* * *Disposal / decommissioning* * *Other (please specify)* |

**3. Approaches for scaling up InfraTech:**

**3.1 What were the challenges experienced in attracting investment, developing, and deploying this InfraTech solution?**

|  |
| --- |
| *Please provide details (max 250 words):* |

**3.2. Which of the following approaches helped attract investment in this InfraTech project?**

|  |  |  |
| --- | --- | --- |
| *Select All that are applicable* | | |
| *Policy approaches* | ***Used?*** | *Further detail about how this approach helped attract investment for this InfraTech project (max 200 words per response)* |
| *A change in procurement policy* | Yes / no |  |
| *A change in regulation* | Yes / no |  |
| *Development of a national, regional, or sectoral InfraTech strategy* | Yes / no |  |
| *Availability of a government-sponsored innovation sandbox* | Yes / no |  |
| *Other (please specify)* | Yes / no |  |
| *Commercial approaches* | ***Used?*** | *Further detail about how this approach helped attract investment for this InfraTech project (max 200 words per response)* |
| *Adoption of an innovative partnership / risk sharing model* | Yes / no |  |
| *A new / innovative source of revenue* | Yes / no |  |
| *Integration into project preparation process* | Yes / no |  |
| *Adoption of a new change management process* | Yes / no |  |
| *Other (please specify)* | Yes / no |  |
| *Technology approaches* | ***Used?*** | *Further detail about how this approach helped attract investment for this InfraTech project (max 200 words per response)* |
| *Implementation of a data platform or digital twin for greater transparency over performance* | Yes / no |  |
| *A change in data standards / architecture* | Yes / no |  |
| *Implementation of cybersecurity or improved privacy measures* | Yes / no |  |
| *Other (please specify)* | Yes / no |  |
| *Finance approaches* | ***Used?*** | *Further detail about how this approach helped attract investment for this InfraTech project (max 200 words per response)* |
| *Public investment* | Yes / no |  |
| *Public-private partnership (PPP)* | Yes / no |  |
| *De-risking mechanisms or blended finance* | Yes / no |  |
| *A new fund / investment platform* | Yes / no |  |
| *Strategic investment by a corporate partner* | Yes / no |  |
| *Other innovative financing instrument (please specify)* | Yes / no |  |

**3.3. Have any of the above approaches for attracting investment (as mentioned above) been used on other projects?**

|  |
| --- |
| *Provide more details under your chosen selection below (max 200 words):*   * *If yes, which approaches were replicated and how?* * *If not, how could it be replicated in other sectors and jurisdictions?* |

**3.4. Are there other approaches that enabled investment that are not already covered above?**

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| --- |
| *Other policy, commercial, technological, financial interventions (or broader schemes) that helped to attract investment in the development or deployment of this InfraTech project (max 200 words):* |

**4. Technological solution:**

**4.1. What was the technological solution deployed for this project?**

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| --- |
| *Points to cover (max 250 words)*   * *What is the solution and what is it used for?* * *Who developed the solution?* * *Is this a new solution, or a novel deployment of an existing solution?* |

**4.2. What were the benefits of the technological solution?**

|  |  |  |
| --- | --- | --- |
| **Benefit** | **Applicable?** | **Please provide further details on the benefits realised** |
| *Climate mitigation* | Yes/ no |  |
| *Climate adaptation* | Yes/ no |  |
| *Enhanced social inclusion* | Yes/ no |  |
| *Enhanced pandemic preparedness and response* | Yes/ no |  |
| *Improved infrastructure delivery and performance* | Yes/ no |  |
| *CAPEX efficiency* | Yes/ no |  |
| *OPEX efficiency* | Yes/ no |  |
| *Other (please specify):* | Yes/ no |  |

**5. Supporting materials:**

**5.1. Please include any supporting resources or links to relevant material or websites (optional)**

|  |
| --- |
| * *Please include any relevant links* * *Please attach via email any further material or images (in .jpg or .png format) that you would like to include with this submission* |

**5.2. Permission to use images and content**

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| --- |
| *By submitting your case study, you are giving the GI Hub permission to use the content and images you provide for publication and promotion across a variety of print and online channels in relation to this InfraTech initiative. Please note that the GI Hub does not have any control of unauthorised use of content or images once it has been published.* |